

# MPUC2K

Mission Planning User's  
Conference 2000

2K



ESC/ACU



46 TS



HQ ACC



HQ AMC



HQ AFSOC

US Navy



## PFPS v3.1 Status Brief

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Flight Commander

24X CD ROM



# Overview

- Status of PFPS v3.1
- Significant Features in PFPS v3.1
- About PFPS v3.2
- 46 TS/OGET Website Improvements
- Questions?



# PFPS v3.1 Status

- In OT&E Now, Expect One (1) More Fix/Test Cycle
- Anticipate Fielding in March 2000

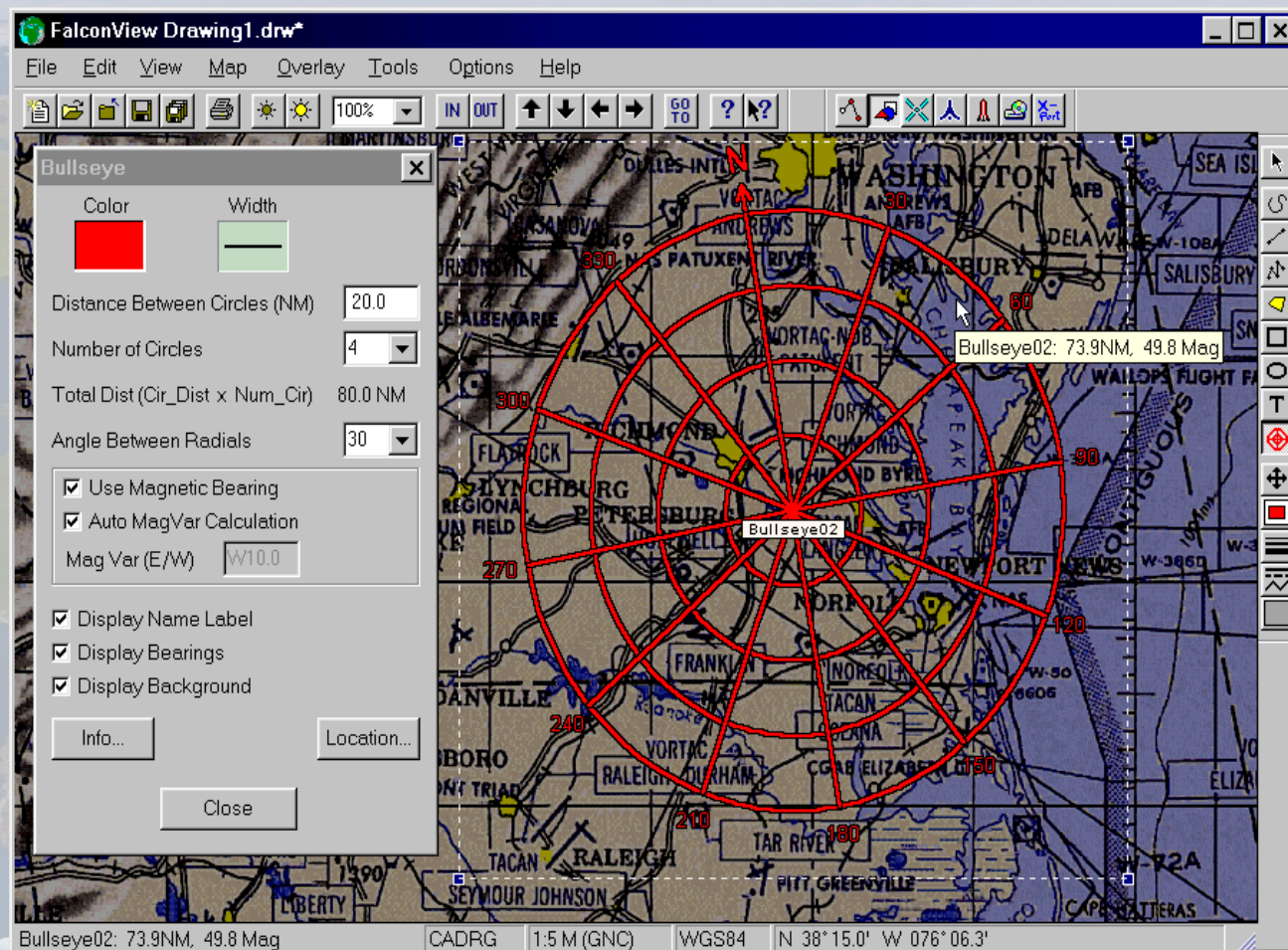
# Significant Features in PFPS v3.1

- PFPS CMF tool v1.1 (full integration)
- PFPS FIE
  - Tighter integration with PFPS
  - ACFP interface
- Advanced multi-route planning in CFPS, route templates: create master templates for route and/or aircraft configuration data
- Enhanced dB support: browse/search ALL data directly from any PFPS application; jet routes, heliports, enhanced search options
- Great circle or Rhumb line; MagVar improvements, indicated airspeed support: add IAS support if available in FPM
- Hover support: hover flight mode calculations, TOLD/PPC cards
- Master install: updated for version 3.1 release; enhanced uninstall
- Air refueling tool
- Serpentine routes: new planning enhancement
- Weapons integration: integrate weapon delivery calculated points into route

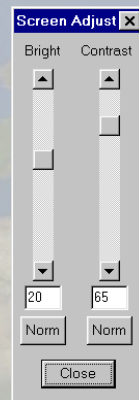
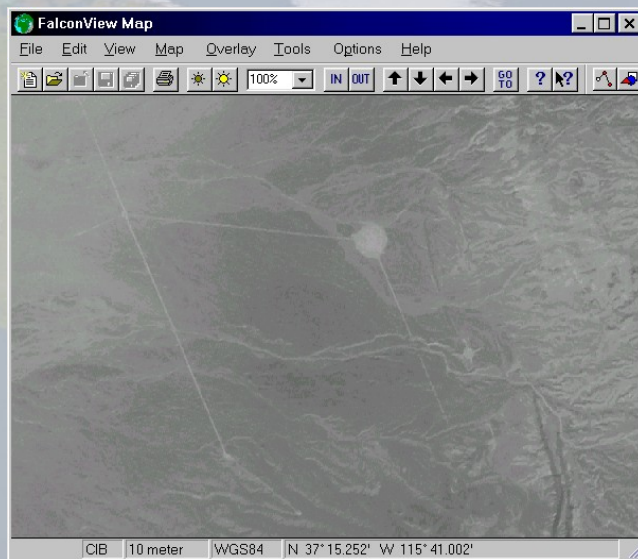




# Bull's Eye



# Contrast Control



The contrast control allows you to get better definition on CIB images. The image on the left was produced using only Bright/Dim. The image on the right used Bright/Dim and contrast.

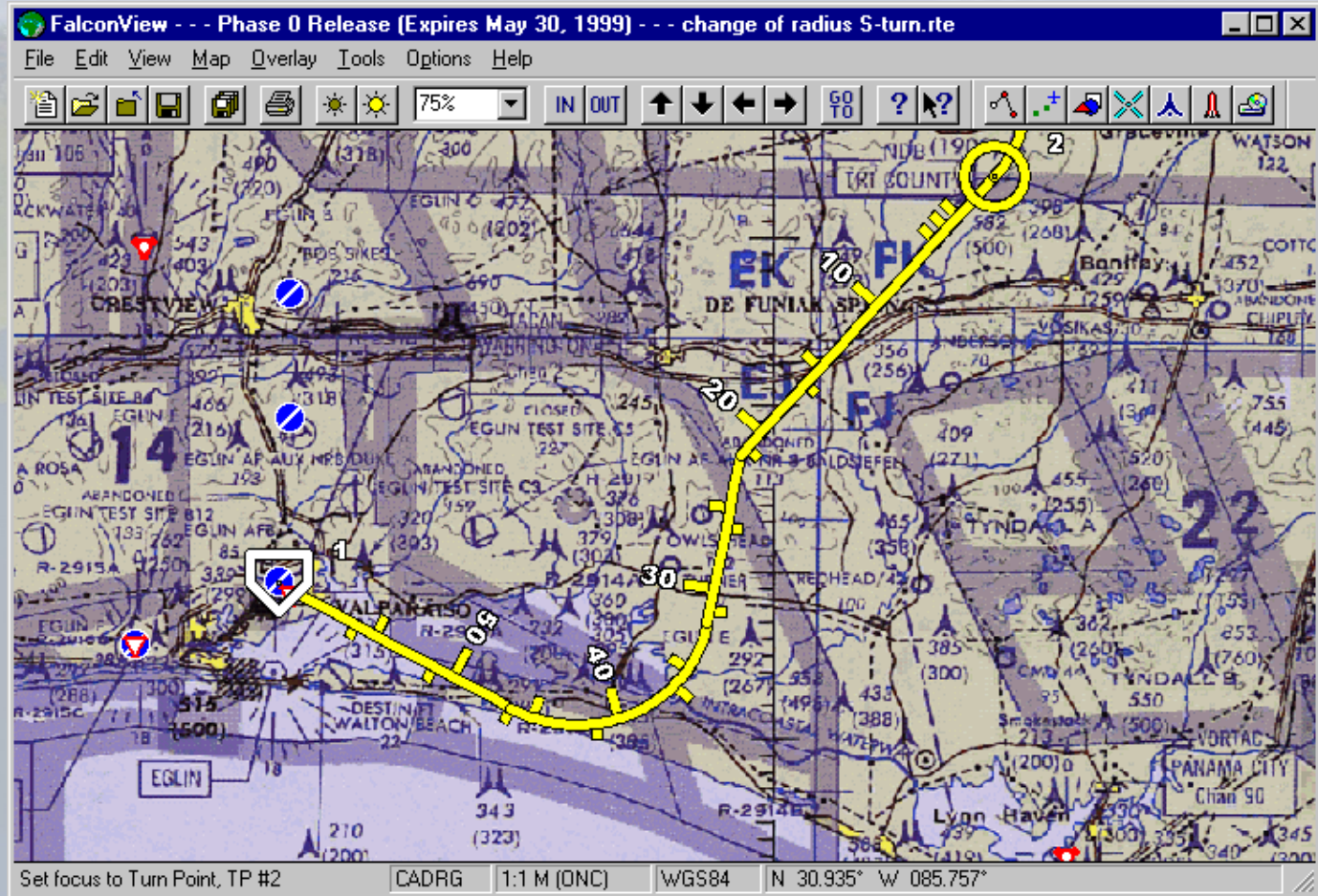
# Orbit Tracks

- The route server defines
  - True course into the first turn
  - Length of the line segments
  - Turn radius
  - Turn arc
  - Turn direction
- These values fully define the race track
- FalconView 3.1 draws the orbit track using these values





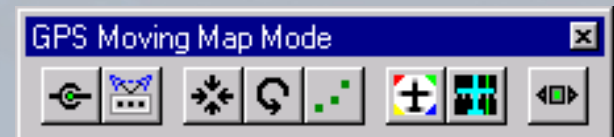
# STTO Radial Dog Leg With S-turn





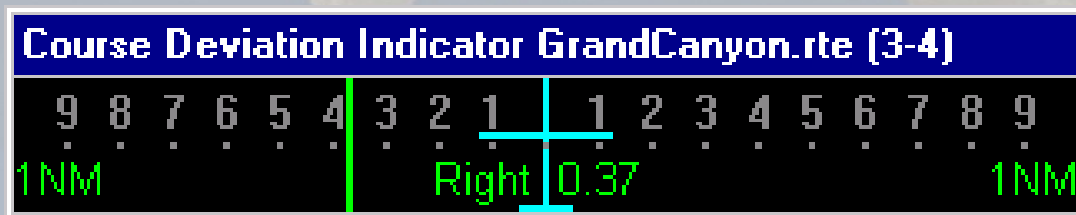
# GPS Toolbar

- Connect/disconnect
- Serial communication options
- Auto center
- Auto rotate
- Show/hide trail points
- GPS property page
- Course deviation indicator (CDI)
- Playback dialog



# GPS Course Deviation Indicator

- Route name shown in title bar
- Route leg shown parenthetically
- Ship centered or course centered mode
- Selectable scale units shown on each side
- Course deviation shown in center







# CD ECHUM

- Replaces existing NAVINFONET download with import from CADRG monthly update CD's
  - Significantly reduces total import time
  - Significantly reduces import complexity
  - Automatically prompts the user to import when more recent ECHUM data is detected (similar to DAFIF)
  - Eliminates redundant retrieval of data already at user's site

# CD ECHUM

- Enables collection of notes, warnings, and cautions not present in existing system
- More accurately calculates ECHUM data expiration
- Detects multiple forms of erroneous data
  - Invalid hemisphere identifiers: 37° 54¢ 16<sup>2</sup> N by 82° 27¢ 02<sup>2</sup> N
  - Invalid latitude or longitude values: 64° 94¢ 43<sup>2</sup> E
  - All multi-point data with excessive distance between consecutive points (e.G., A 4000-mile long railroad segment that crosses the Atlantic ocean)

# About PFPS v3.2

- Air Drop C-17 / Formation Support
- Common Route Definition (CRD) Import/Export Tool
  - v3.1 ISM and v3.2
- New Forms Printing Module
- Ground & Maritime Route Planning Enhancements
- Air Refueling Tool Enhancements
- Configurable Menus/Toolbar (Allow 3rd-Party GUI Extensions)
- New Print Mnemonics (i.e. Airfield's Longest Runway)
- Waypoint Search Enhancements
- Air Drop Enhancements (Form Extensions and Warnings)
- Additional TOLD & Hover Support (Depends on FPM Schedule)
- Add Universal Transverse Mercator (UTM) Support



# Mission Planning Intranet

- 46 TS/OGET Is Readying an Intranet
  - Accessible by User, Developer and Test Community
  - Username / Password Protection
  - Improved Release/Beta Information
  - Encrypted Product Distribution



# Mission Planning Intranet, Cont.

- Secure server (https:\\ ... URL TBD), requires username and password to access
  - With browser-based encryption, PGP encryption of downloads no longer necessary!
- Request account/access via
  - Current website ([www.mission-planning.eglin.af.mil](http://www.mission-planning.eglin.af.mil)) today
  - New, "Public" mission planning website (TBD) in future
- Request Form
  - What will be on the form:
    - Contact Information (Name, etc.)
    - SSN (will be password the very first log-on time)
    - Access level request (user, tester, developer, manager, sponsor, etc.)
    - Content request (Product Division/IPT, Service/MAJCOM products)
  - Fill out form (on-line) then:
    - Submit electronically
    - Print, get necessary signatures, FAX back to 46 TS/OGET (DSN872/(850)-882-6379)
  - When access is approved, notified via email (message includes username)
- Foreign Nationals requesting access will be referred ESC
  - <http://www.hanscom.af.mil/ESC-ACU/fms.html>



# Mission Planning Intranet, Cont.

- Very first time logging-on
  - Enter username and password (SSN is very first log-on password)
  - Immediately required to select a password from randomly generated list
- Passwords
  - Expire every 90 days
  - At each log-on, shown how many days till current password expires
  - Can change password at any time
  - Notified, via email, 20/10/5 days prior to your password's expiration
  - If password expires:
    - Account will be DELETED
    - Must re-request access...
- If an approved Beta Tester, there will be improved support
  - Notification of new Beta versions
  - SPR/BCR vs. Beta information
  - On-line Problem Reporting





# Mission Planning Intranet, Cont.

Rank or Grade <input type="text" value="Select One"/>	Aircraft <input type="text" value="Select One"/>	Last Name <input type="text"/>	First Name <input type="text"/>	MI <input type="text"/>
MAJCOM, TYPE COMM, Organization <input type="text"/>	Government Contract Number <input type="text"/>	Expiration Date <input type="text"/>	Procurement Contracting Officer (PCO) <input type="text"/>	
Social Security Number <input type="text"/>	E-Mail Address <input type="text"/>	PCO Phone <input type="text"/>	DSN Exchange <input type="text"/>	
Commercial Phone <input type="text"/>	Commercial Fax <input type="text"/>	State <input type="text"/>	Zip <input type="text"/>	
Address <input type="text"/>	City/Base <input type="text"/>	DSN Exchange <input type="text"/>		
Government Point of Contact (POC) <input type="text"/>	E-Mail <input type="text"/>			
Government POC Phone <input type="text"/>				

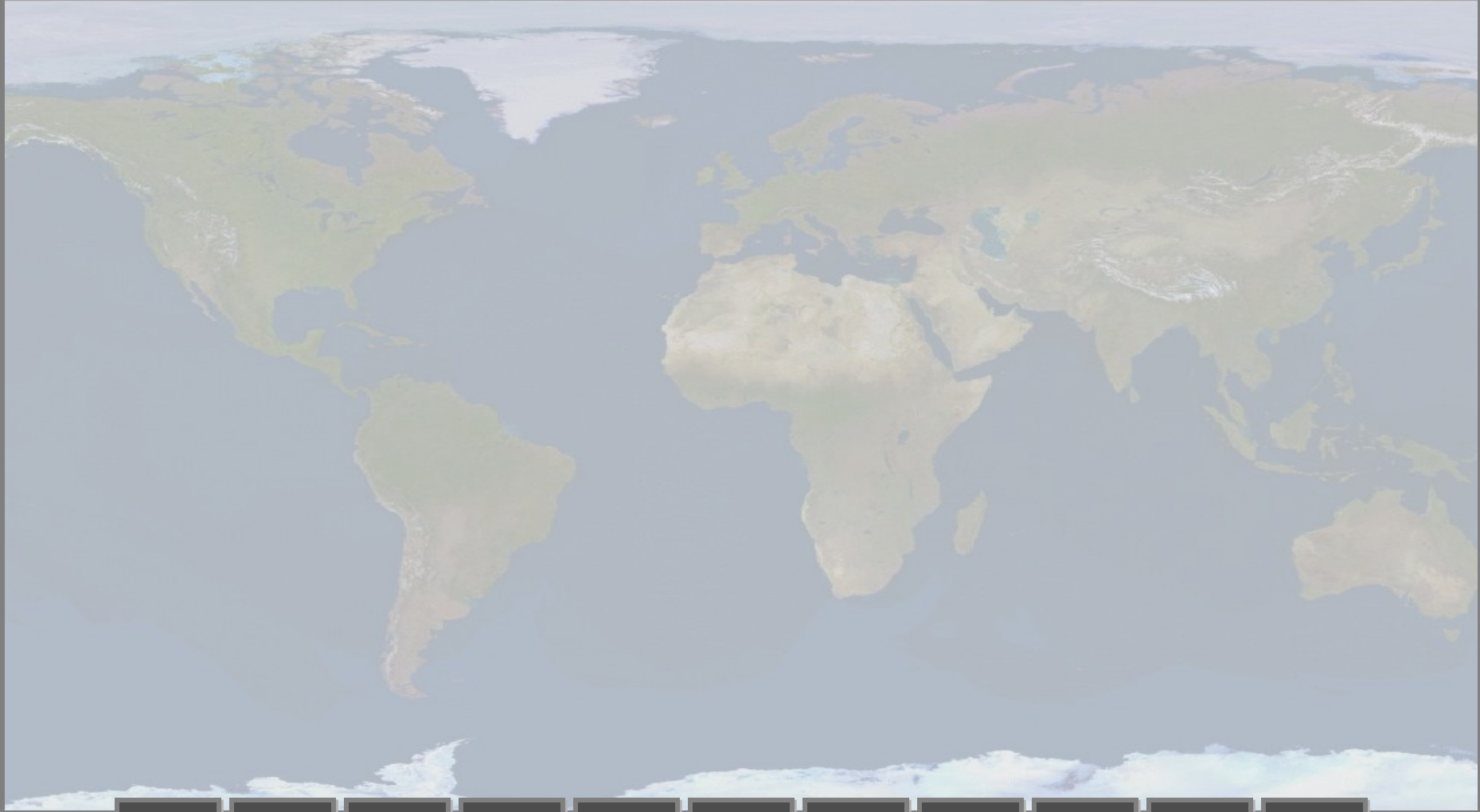
<b>Access Level(s):</b>  <input type="checkbox"/> User <input type="checkbox"/> Developer <input type="checkbox"/> Tester <input type="checkbox"/> Manager <input type="checkbox"/> Sponsor	<b>Content Access:</b>								
		<b>AF/ACC</b>	<b>AF/AMC</b>	<b>SOCOM</b>	<b>USN/USMC</b>	<b>AFRC</b>	<b>ANG</b>	<b>FMS</b>	<b>Other</b>
	AWE:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>
	CWDS:	<input type="checkbox"/>	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	FPM:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
	PEX:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>	<input type="checkbox"/>	N/A	<input type="checkbox"/>
PFPS:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If "Other", specify: <input type="text"/>									

Requester <input type="text"/>	Date <input type="text"/>
This form now requires the signature of the requesting party prior to processing. Your signature certifies that you have read and concur with the rules on the <a href="#">Instruction Page</a> .	
Government POC <input type="text"/>	Date <input type="text"/>
This form now requires the signature of the Government POC. Your signature certifies that the requestor has proper approval and need to access Mission Planning information at the levels indicated.	



# Questions?



24X CD ROM

